

onal Application No PCT/EP 03/50946

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C10G45/62 C10G45/64

C10G65/12

C10M171/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC \ 7 \ C10G \ C10M$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

PO-In	ternal, BIOSIS, COMPENDEX, EMBASI	E, FSTA, INSPEC, PAJ, WP	[ Data		
DOCUM	ENTS CONSIDERED TO BE RELEVANT				
ategory °	Citation of document, with indication, where appropriate, of	the relevant passages	Relevant to claim No.		
(	WO 00/29511 A (DARNANVILLE JE; ;DUPREY ERIC (FR); CREYGHTON () 25 May 2000 (2000-05-25) page 3, line 4 - page 7, line 1,3,4,7-9; example 13; tables	1-21			
<b>A</b> .	EP 0 575 077 A (MOBIL OIL COR 22 December 1993 (1993-12-22) page 3, line 27 - line 30; ta	1-21			
A	EP 0 776 959 A (SHELL INT RES 4 June 1997 (1997-06-04) abstract column 3, line 43 - line 54 column 5, line 16 - line 51	EARCH)	1-21		
χ Fu	riher documents are listed in the continuation of box C.	Patent family members are lis	ted in annex.		
Special categories of cited documents:  A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filling date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filling date but later than the priority date claimed		or priority date and not in conflict cited to understand the principle invention  "X" document of particular relevance; cannot be considered novel or call involve an inventive step when the "Y" document of particular relevance; cannot be considered to involve a document is combined with one of ments; such combination being of in the art.	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled		
Date of th	e actual completion of the international search	Date of mailing of the international	search report		
-	29 April 2004	10/05/2004	10/05/2004		
Name and	d mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,  Fax: (+31-70) 340-3016	Authorized officer  Deurinck, P			



Intel	onal Ap	plication No
PCT/	EP 03	3/50946

C.(Continue	Inuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α .	WO 02/086025 A (COLLIN MARC; DUPREY ERIC (FR); SHELL INT RESEARCH (NL)) 31 October 2002 (2002-10-31) page 6, line 3 - line 29; claims page 11, line 14 - page 12, line 31	1-21
		-



Internal Application No PCT/EP 03/50946

Patent document cited in search report	1	Publication date		Patent family member(s)	Publication date
WO 0029511	Α	25-05-2000	AU	754266 B2	07-11-2002
			ΑU	1859400 A	05-06-2000
			CA	2350581 A1	25-05-2000
			CN	1330699 T	09-01-2002
			WO	0029511 A1	25-05-2000
			ËP	1137741 A1	04-10-2001
			HÜ	0104314 A2	28-03-2002
			JP	2002530470 T	17-09-2002
			ΡĹ	348352 A1	20-05-2002
			บร	6576120 B1	10-06-2003
			ZA	200103926 A	25-07-2002
			AU	7911100 A	30-04-2001
			CA	2385278 A1	05-04-2001
			CN	1376089 T	23-10-2002
			WO	0123089 A1	05-04-2001
			EP	1218103 A1	03-07-2002
			ĴΡ	2003510181 T	18-03-2003
			US	6709570 B1	23-03-2004
		•	ZA	200202368 A	14-10-2002
		·			14 10 2002
EP 0575077	A٠	22-12-1993	SG	45043 A1	19-12-1997
			US	5358628 A	25-10-1994
			AU	656471 B2	02-02-1995
			CA	2097093 A1	16-12-1993
			EP	0575077 A1	22-12-1993
			JP	6065584 A	08-03-1994
			AU	3990693 A	16-12-1993
EP 0776959	A	04-06-1997	EP	0776959 A2	04-06-1997
			EP	1365005 A1	26-11-2003
			AU	705415 B2	20-05-1999
			AU	7198896 A	05-06-1997
			CA	2191290 A1	29-05-1997
			CN	1167811 A ,B	
			JP	9221685 A	26-08-1997
			SG	74001 A1	18-07-2000
			TW	416981 B	01-01-2001
			ZA	9609906 A	28-05-1997
LIO 02006025		21_10_2002		2444575 41	31-10-2002
WO 02086025	Α	31-10-2002	CA	2444575 A1	31-10-2002
			MO	02086025 A1	
			EP	1379612 A1	14-01-2004
			US	2004065587 A1	08-04-2004